

20030114.qrp v02_n800.qrl.20030114

Date: Tue, 14 Jan 2003 19:03:13 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2800

QRP-L Digest 2800

Topics covered in this issue include:

- 1) [144630] 5W Solar Panel
by Fred Bonavita <k5qlf@yahoo.com>
- 2) [144631] HB - 2N7000 Class E Amp
by Harry Hurst <wa3ptg@comcast.net>
- 3) [144632] Radio Shack QRPp HT
by wkhibbert@juno.com
- 4) [144633] FOX: N3BJ Prelim. Log
by "Alan Fryer" <N3BJ@hotmail.com>
- 5) [144634] Re: As soon as the snow clears a bit... (antenna ...)
by Brian Short <bshort4@cox.net>
- 6) [144635] RE: TT2 blunder
by Nick Kennedy <nkennedy@tcainternet.com>
- 7) [144636] Ten Tec model 290 Attenuator
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
- 8) [144637] Ticket for JA in less than 60 days possible?
by "Jess Gypin" <jessmx5@earthlink.net>
- 9) [144638] Neat Link!
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 10) [144639] Re: TT2 blunder
by Arthur Moe <kb7ww@easystreet.com>
- 11) [144640] Mobile mount bracket for FT-817
by "Frank King" <fking@oregonvos.net>
- 12) [144641] Re: Antenna Questions...
by psschwarz@kellnet.com
- 13) [144642] Re: CQ FP Tomorrow Night 02:00 7.044
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 14) [144643] Re: TT2 blunder
by David Hinerman <WD8CIV@worldnet.att.net>
- 15) [144644] Altoids Special
by Kenneth Hoglund <hoglund@wfu.edu>
- 16) [144645] FS: Ten-Tec Century 22 & accessories
by "Dave Redfearn" <n4elm@attbi.com>
- 17) [144646] K8RA paddles
by Randy <wrmoore47@comcast.net>
- 18) [144647] FW: FYBO 2003
by "Bob Hightower" <nk7m@extremezone.com>
- 19) [144648] Re: As soon as the snow clears a bit... (antenna ...)

- by "Dennis Ponsness" <wb0wao@hotmail.com>
- 20) [144649] FOX RE: N3BJ Prelim. Log
by "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
- 21) [144650] Re: HB - 2N7000 Class E Amp
by Steven Weber <kd1jv@moose.ncia.net>
- 22) [144651] Re: Mobile mount bracket for FT-817
by "James McKinley" <flyable@starpower.net>
- 23) [144652] Re: [Mobile mount bracket for FT-817]
by "P. Ermisch" <ermisch@usa.net>
- 24) [144653] Re: SA612 and AGC
by Ingo Meyer DK3RED <dk3red@gmx.net>
- 25) [144654] Re: TT2 blunder [W1FB Keying Circuit]
by Chuck Carpenter <w5usj@9plus.net>
- 26) [144655] Smart Circuit in NiMH bat of Laptop -- CW mobile
by k5gq@juno.com
- 27) [144656] Searching TAPR archives
by Alex <kr1st@amsat.org>
- 28) [144657] Re: 5W Solar Panel
by n5ib@juno.com
- 29) [144658] NETXQRP Club Meeting, Saturday 18 December
by Chuck Carpenter <w5usj@9plus.net>
- 30) [144659] Re: SA612 and AGC
by Sam Smith <sam.smith@ece.gatech.edu>
- 31) [144660] two questions
by N4SKS@cs.com
- 32) [144661] Re: As soon as the snow clears a bit... (antenna ...)
by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
- 33) [144662] Re: two questions
by Jim Eshleman <jce0@Lehigh.EDU>
- 34) [144663] Re: Searching TAPR archives
by Alex <kr1st@amsat.org>
- 35) [144664] Re: TT2 blunder
by "Walter AG5P" <walter@accessus.net>
- 36) [144665] Re: two questions
by "Garey Barrell" <k4oah@mindspring.com>
- 37) [144666] Ooops! NETXQRP Club Meeting, Saturday 18 January
by Chuck Carpenter <w5usj@9plus.net>
- 38) [144667] Fw: WARC band [contesting] info
by "Rod N0RC" <rod@n0rc.us>
- 39) [144668] BatteryStuff.com
by "Mark Andrews" <KE4IOF@KE4IOF.com>
- 40) [144669] Re: Neat Link! Two thumbs UP
by "Joe Martin" <km5cw@arrl.net>
- 41) [144670] Re: K8RA paddles
by "Joe Martin" <km5cw@arrl.net>
- 42) [144671] FT-817 Owners: VHF Sweepstakes is THIS WEEKEND!
by "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
- 43) [144672] Re: Smart Circuit in NiMH bat of Laptop -- CW mobile

- by "Mike Yetsko" <myetsko@insydesw.com>
- 44) [144673] Re: Attic Wire Antenna Suggestions
by "Bill Acito W1PA" <w1pa@hotmail.com>
- 45) [144674] Need email address for AD5X
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 46) [144675] Re: SMK-1 question
by "Jerry Ford" <benlightnd13@mchsi.com>
- 47) [144676] deadline reminder
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
- 48) [144677] Re: two questions
by Gary Halpern <gary.halpern@sympatico.ca>
- 49) [144678] Re: K8RA paddles
by Ed Lawson <k1vp@grizzly.com>
- 50) [144679] Comparison of various rigs' minimum supply voltage, RX current
by Wayne Burdick <n6kr@elecraft.com>
- 51) [144680] Re: SA612 and AGC
by "Leon Heller" <leon_heller@hotmail.com>
- 52) [144681] New ARRL Book
by "brian" <brian@iquest.net>
- 53) [144682] Re: SA612 and AGC
by "Mike Branca" <w3irz@att.net>
- 54) [144683] 10m Nice and Active
by Majority Mike Capt USCENTAF/A5 <mike.majority@SHAW.AF.MIL>
- 55) [144684] RE: [fpqrp] New ARRL Book
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 56) [144685] Re: HB - 2N7000 Class E Amp
by "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
- 57) [144686] F.S. Parkland iambic paddle
by "Joe W2KJ" <w2kj@bellsouth.net>
- 58) [144687] two questions
by JClinton46@aol.com
- 59) [144688] Re: Smart Circuit in NiMH bat of Laptop -- CW mobile
by "Tom Pennebaker" <n4rs@netpath-rc.net>

Date: Mon, 13 Jan 2003 15:38:38 -0800 (PST)
From: Fred Bonavita <k5qlf@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [144630] 5W Solar Panel
Message-ID: <20030113233838.42354.qmail@web21409.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The latest flyer from Harbor Freight Tools lists a 5W solar panel for \$35 (reg. \$50). Lot No. 41144. Measures 18x12.5x1. The usual disclaimers apply.

Fred, K5QLF, San Antonio..

Do you Yahoo!?

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<http://mailplus.yahoo.com>

Date: Mon, 13 Jan 2003 23:55:24 +0000

From: Harry Hurst <wa3ptg@comcast.net>

To: Low Power Amateur Radio Discussion <grp-1@Lehigh.EDU>

Subject: [144631] HB - 2N7000 Class E Amp

Message-ID: <003801c2bb5f\$3ddc7320\$0200a8c0@daisy>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

I haven't RTFM, I'm just an amateur...

I was looking at Steven Weber's Class E 40 meter rig just now. V-E-R-Y nice work, Steven. I'm wondering if it is possible to "square-off" the output of a standard-type analog VFO enough to use with a 2N7000 Class E final in an NN1G ('95 handbook) rig? The 7000 seems to be a better choice for a final than those old 28 volt RF transistors. Especially after looking at the Mouser web site. They have the Fairchild 2N7000 for \$0.06 in quantity 25. \$0.06 is one of my favorite prices for parts!

The possibilities are endless... How about twisting Steven's design into a solid 1 watt output Pixie II? And how about a dual-crystal VXO using the 74HC02? How far could you bend the crystals? Can't wait for my 74HC02s to get here...

What's the upper frequency limit for the 2N7000?

Other Stuff:

Who would like to sell me a NOS 5763? It's the only part I need to finish the Novice Special. Thanks.

Would it be possible to have the list moderated all the time? Apparently, few of us can behave -- I don't count myself in the behaving group -- and we need help to keep order.

72's

Hap, WA3PTG

Wilmington DE

I put the rice box away. Time to build.

Date: Mon, 13 Jan 2003 19:05:06 -0500
From: wkhibbert@juno.com
To: qrp-1@lehigh.edu
Subject: [144632] Radio Shack QRPp HT
Message-ID: <20030113.190506.-184387.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. Keith here in the Depths of the Great Bergen Swamp.

I searched through the radio Shack stores in this region (Western NY) and found 7 of the HTX-200 HT's. (cat # 19-1102).

Upon either going to the respective stores, or asking the staff, these were all returns from other customers. Most did not have the box or manuals, some did not have the antennas and none of them were in working condition.

If you find one of these micro-HT's, check it out very thoroughly before you plunk the money down. If I said that I was disappointed, it would be an understatement.

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"

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Date: Mon, 13 Jan 2003 19:19:24 -0500
From: "Alan Fryer" <N3BJ@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [144633] FOX: N3BJ Prelim. Log

Message-ID: <0E20k0Z5acDdk9jyoe400012e11@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ugly as it may be, here is my log for the Jan. 9th Hunt. Not nearly up to my expectations, but you takes what they gives you...
Please give me any corrections ASAP and I'll make it final.

Condx were fine for 35 minutes, then they deteriorated dramatically. None of the regulars within about 400-500 miles were heard, except for N4ROA and KC9LC, both VA "locals" within 75 miles or so. Even the Cheeseheads seemed curdled by the condx. Notable weak signals that made the trip on sheer guts: N1TP (usually strong), KL7FDQ, K1KID and K5TR running 50 mW.

The timing of the Hunt, starting at 0200Z, is just too late for decent US coverage this time of the year, at this point in the cycle. Unless you are in TX, of course.....>} To accommodate both coasts is impossible, I guess. Perhaps somebody smarter than me can figure out a better way.

Enjoyed the staccato burst from VE5/6 and working KG6CYN from the motel in WI..

UTC	Call	His	RST	My	RST	SPC	Name	Power
0201	N9NE	559	599	WI	Todd	5W		
0201	N1FN	559	559	CO	ET	5W		
0202	W0CH	559	559	MO	Dave	5W		
0202	K50T	559	559	WI	Larry	5W		
0203	W5USJ	559	559	TX	Chuck	5W		
0203	WA8NTA	559	559	CO	Dick	5W		
0204	AA50	559	559	LA	Vern	5W		
0205	W5TB	559	559	TX	Doc	5W		
0206	N0UR	559	579	MN	Jim	5W		
0207	N5IB	559	559	LA	Jim	5W		
0208	K4FB	559	579	FL	Paul	5W		
0209	K5JHP	559	559	TX	Bill	5W		
0209	W5YA	559	559	NM	Fred	5W		
0210	KJ6CA	559	579	CA	Bob	5W		
0211	K5ZTY	559	559	TX	Bill	5W		
0212	KK5LD	559	559	TX	Dan	5W		
0213	K5DW	559	559	TX	Don	5W		
0213	W0UFO	559	559	MN	Me1	5W		
0214	N0WX	559	559	MN	Mike	5W		
0214	K0FRP	559	599	CO	Al	5W		
0215	K5EOA	559	559	LA	Wayne	5W		
0216	N4BP	559	559	FL	Bob	5W		
0217	VE6EX	559	559	AB	Dan	5W		

0217 VE5RC 559 559 SK Bruce 5W
0218 VA6RF 559 559 AB Earl 5W
0218 W5YR 559 559 TX George 5W
0219 K0EVZ 559 579 ND Doc 5W
0219 W3CD 559 559 CA Bob 5W
0220 K5SR 559 559 TX Dale 5W
0221 AC7A 559 559 AZ Tom 5W
0222 AC5JH 559 559 OK Tom 5W
0223 KG6CYN 559 559 WI Trev 5W
0224 AG0T 559 559 ND Todd 5W
0224 K0PC 559 559 MN Pat 5W
0224 K0UU 559 559 MN Jeff 5W
0225 KB7WW 559 559 OR Art 5W
0226 KD5CMN 559 559 TX Mike 5W
0227 NQ7X 559 559 AZ Floyd 5W
0228 KR0U 559 559 CO Tim 5W
0229 WR50 559 559 TX Dave 5W
0230 N5ZE 559 559 TX Lew 5W
0231 K9IUA 559 559 IA Kev 5W
0232 NM5M 559 559 TX Eric 5W
0233 K6VNX 559 559 CA Arlen 5W
0235 KK5NA 559 559 TX Joe 5W
0236 N5WW 559 559 OK Bart 5W
0238 N7XY 559 559 WA Bob 5W
0240 KI0II 559 559 CO Ron 5W
0244 KN5TX 559 559 TX Bill 5W
0246 N4JIU 559 559 TX Bruce 5W
0248 K50I 559 599 OK Tim 5W
0249 K7TQ 559 559 ND Randy 5W
0250 KR5C 559 559 TX George 5W
0251 K5TCC 559 559 TX Doc 5W
0255 N5EBD 559 559 TX Ken 5W
0259 N2WW 559 559 CO Larry 5W
0301 N0SG 559 559 CO Jason 5W
0303 N4ROA 559 559 VA Dan 5W
0305 K6MMC 559 559 CA Mike 5W
0307 VE6JAZ 559 559 AB Rob 5W
0309 W5KDJ 559 559 TX Wayne 500 mW
0311 K5DI 559 559 NM Karl 5W
0313 AA5TA 559 559 TX Larry 5W
0315 W5LGO 559 569 OK Kent 50W
0317 NN5E 559 559 TX Vern 5W
0318 W4NJK 559 559 CA Charlie 5W
0324 N0RC 559 559 CO Rod 5W
0328 K1KID 559 559 MA Carl 5W
0333 N1TP 559 339 FL Tom 5W
0338 KC9LC 559 559 VA Randy 5W
0343 AL0A 559 559 ME Greg 1W

0345 AE0CW 559 549 C0 Jess 5W
0348 KQ5U 559 559 TX Terry 5W
0351 K5TR 559 599 TX George 20 mW
0352 WU9F 559 559 WI Terry 5W
0352 N7CQR 559 559 OR Dan 5W
0354 N5FYC 559 559 LA Wayne 5W
0356 KL7FDQ 559 559 MT Wayne 5W
0357 W0PWE 559 599 IA Jerry 5W
0359 KJ7HX 559 559 OR Jerry 5W
--- K9DC Fox --- --- ---
--- N3BJ Fox --- --- ---

Alan, N3BJ
Bent Mountain, VA

Date: Mon, 13 Jan 2003 18:42:13 -0500
From: Brian Short <bshort4@cox.net>
To: Low Discussion <qrp-1@Lehigh.EDU>
Subject: [144634] Re: As soon as the snow clears a bit... (antenna ...)
Message-ID: <A3FBB916-2750-11D7-ACE1-00306543B616@cox.net>
Mime-Version: 1.0 (Apple Message framework v551)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

>Is anyone using any verticals? I mean on a roof? I've been thinking
>maybe just throwing an old 102" whip on the end of a piece of mast
>and feeding with coax and standing it on the deck just to get back
>on the air with my antenna down.

Mike, et. al.,

I hope this benign post to answer your question will make it through
and not offend anyone if it does.

I have used verticals in a variety of contexts. I have some opinions
about verticals based on these experiences.

There are the "quick and dirty" type installations and then there are
"real deal" type installations.

In the quick n' dirty class, I have played around with 102" CB whips
and Hustler 54" masts in various combinations.

On camping trips I have attached a 102" whip onto a 54" Hustler mobile
mast. The combination is a great 17m antenna. I used this last summer
with the FT-817 to work some DX on SSB while camping.

Using this same setup, you can "top-load" it by using an alligator clip with a piece of wire to make it resonant on 20m. I use an alligator clip a specially cut piece of wire and some string to orient it.

Obviously, the 102" whip works on 10m as-is. The 54" Hustler works as-is on 6m. Add a little wire to the 102" whip and easily cover 12m and 15m.

I use a Radio Shack tripod and some TV mast and then have a "mobile" antenna bracket fastened to the mast with U-bolt. I have also used a magnetic mount on the roof of my pickup while parked (it is not practical to drive with 102" + 54" on top of vehicle).

I suppose the real question is "How well does it work?"

Personally, I'm not a fond of anecdotal descriptions of antenna performance.

For example, "We worked 5 DX countries in the first hour with this antenna."

That is great, but (to me) the only way to talk about performance is by using a side-by-side comparison with some reference (a dipole?) on multiple paths under various band conditions.

Depending on the ground system or counterpoise, I'd think it should work well as there is no base loading.

All I can say is it was OK for camping and I had fun.

--

See my web page: <http://www.k7on.com>

Date: Mon, 13 Jan 2003 19:03:24 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'franco@bnl.gov'" <franco@bnl.gov>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [144635] RE: TT2 blunder
Message-ID: <01C2BB36.736C4A20.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

It's worse than just using a keyer intended for a negative voltage (grid block). The original Tuna Tin and TT2 designs don't want ANY keyer that has a grounded side. That's because you are keying the power supply lead directly. You can't afford to pull it to ground!

The best fix is to put a PNP transistor in the supply line and key the base to ground. Take a look at how AD6A did it in his MRX-40/TT2 integration schematic on the Red Hot Radio page. In that design, only the oscillator supply is keyed. The final being class C will stay cut off with no drive. But you could probably switch the supply to the whole rig (the whole TWO transistors) if you wanted to.

72/GL--

Nick, WA5BDU

On Monday, January 13, 2003 12:16 PM, Franco, Nicholas J
[SMTP:franco@bnl.gov] wrote:

> Gang,
. I thought grid
> block keying would be OK if it was keying a voltage - I guessed wrong. I
> guess that's why I always used a bug with my TT2. The older I get the
more
> things I have to re-learn it seems.
> 73 all,
>
> Nick - kf2p . .
> QRP-L # 13
>
>

Date: Tue, 14 Jan 2003 01:37:54 -0000
From: "Andy GMONWI" <gm0nwiqrp@btopenworld.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [144636] Ten Tec model 290 Attenuator
Message-ID: <002501c2bb6d\$9075e4f0\$055bfea9@GMONWILAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guy's...

Can anyone on the list, please tell me, if the above piece of QRP gear,
can still be bought, on the second-hand market....?

Is the gear, still quite "moderately" available, or are we talking "gold
dust"
material here...?

What would one expect to pay in \$'er's (dollars...!) IF one came up for
sale....

Would like to get my hands on one, to try out QRPP soon....

" Greetings From Bonnie Scotland..." gm0nwiqrp@btopenworld.com

72's, 73's

"..Badda-Bing..Badda-Boom.."

Andy

A.R.S.

"..It is vain to do with more....

"A Dis-Orientated Kiwi...

GM0NWI QRP

what can be done with less..."

In The Northern Hemisphere..."

GQRP No.9576

QRP-L No.2165

Alaskan QRP Club No.190

ICQ No.31899603

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Software

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.427 / Virus Database: 240 - Release Date: 06/12/2002

Date: Mon, 13 Jan 2003 18:50:32 -0700

From: "Jess Gypin" <jessmx5@earthlink.net>

To: <hfpack@yahoogroups.com>, <FT817@yahoogroups.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [144637] Ticket for JA in less than 60 days possible?

Message-ID: <001a01c2bb6f\$562626a0\$41365742@jgypin>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Is there anyone on the list know if I can get a ticket for JA in less than 60 days? I would like to be able to operate from Feb 8th.

Jess

Date: Mon, 13 Jan 2003 21:24:45 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<fpqrp-1@mpna.com>
Subject: [144638] Neat Link!
Message-ID: <721D3436A7C2B344A301FD4A413C71A9ADF402@kosh.ARRLHQ.ORG>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<http://members.tripod.com/michaelgellis/hardware.html>

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: W2AGN [mailto:w2agn@w2agn.net]

> Sent: Monday, January 13, 2003 10:47 AM

> To: Low Power Amateur Radio Discussion

> Subject: 80M Hot!

>=20

>=20

> Daring to return to Ham Radio and QRP...

>=20

> The past three nights 80M has sounded like 20M. Signals from Africa,=20

> Europe and the Middle East coming in an honest S-9. Easy=20

> pickin's with=20

> QRP. The band has opened right around sunset, but I have=20
> done most of my=20
> operating around 0300-0400Z from the Upstairs Shack. Been very little=20
> QRN, also, and not much in the way of pileups. 4x4WN was=20
> begging for QSOs=20
> last night.
>=20
> Check it out. Good time to add to that 5 Band QRP DXCC.
> ---
> +---+---+---+---+ John L. Sielke
> |W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
> +---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS
>=20

Date: Tue, 14 Jan 2003 02:24:32 +0000
From: Arthur Moe <kb7ww@easystreet.com>
To: WD8CIV@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [144639] Re: TT2 blunder
Message-ID: <3E2374E0.7B2E8234@easystreet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All,

I am working on the same problem here with an ORIGINAL TT2 !!! Since I don't know anything about the new TT2 my comments only apply to the ORIGINAL but may also apply to the new version as well.

The original TT2 keyed the + 12 volt line. The key basically MAKES the the +12 volt line to apply power to both stages of the xmtr. The key jack is insulated from ground to allow this operation. Most keyers take the input whether + or - volts (GRID or DIRECT inputs) and connects these lines to ground. This is NOT what is needed to key the TT2. Grounding of the 12 volt line of the TT2 will most likley destroy the device doing the switching in the keyer. If the keyer uses a relay that takes the line to ground and it will short power supply to ground.

A simple transistor switch or relay will cure this problem.

I picked up a small reed relay from Radio Shack today to do this with.....let you know when it is installed.

Art

KB7WW

David Hinerman wrote:

>
> >I thought grid
> >block keying would be OK if it was keying a voltage - I guessed wrong. I
> >guess that's why I always used a bug with my TT2. The older I get the more
> >things I have to re-learn it seems. I guess if I ever want to use a keyer
> >with my TT2 I will have to build up a relay switch on the keyer output.
>
> Nick,
>
> Grid-block keying presents a negative voltage to the key, which then shorts
> it to ground to activate the transmitter. Simple key, switch, or relay
> contacts don't give a hoot about polarity. Solid state devices, as in most
> keyers today, usually do. (There are a few exceptions, but they're not used
> in most keyers.)
>
> You could wire up a relay and a small battery or DC power supply as long as
> the keyer's output can handle the relay coil current. Grid-block keying has
> miniscule current flowing through the key contacts, so check your keyer's
> current rating before hooking up the relay. If it's high enough, remember
> that it wants to switch the negative side of the battery.
>
> Does your keyer have another output - maybe called "direct keying"? That's
> used for keying a positive voltage, as is used by most solid-state radios.
> If you have a direct output, you don't need the relay. It'll also most
> likely handle more current than the grid-block output, too.
>
> Good luck getting the keyer working!
>
> Dave
>
> -----
> Dave Hinerman
> WD8CIV@worldnet.att.net

Date: Mon, 13 Jan 2003 18:38:13 -0800
From: "Frank King" <fking@oregonvos.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [144640] Mobile mount bracket for FT-817
Message-ID: <000501c2bb75\$fcd6d2a0\$e211fea9@fking>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Does anyone know of a mobile mount bracket that has been developed for the FT-817?

Tnx
Frank King
AA7XA

Date: Tue, 14 Jan 2003 02:40:11 GMT
From: psschwarz@kellnet.com
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [144641] Re: Antenna Questions...
Message-ID: <20030114024011.6540.qmail@mail.kellnet.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who provided information for height and feed point questions.
I realized that I had overlooked some important details, too.

Patrick...KB8RTZ...

Date: Mon, 13 Jan 2003 19:00:55 -0800
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [144642] Re: CQ FP Tomorrow Night 02:00 7.044
Message-ID: <001301c2bb79\$29120940\$3040be3f@etclink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I have to apologize, as I just got back to the hotel about 03:00 from the office tonight, and am going to fire up the rig right now to see if any of you are on. Good news is that I may get to go home either tomorrow or Wednesday! Hope to hear some of you this evening...

73's Trev KG6CYN

<http://home.earthlink.net/~kg6cyn>

<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: "Trevor Jacobs" <kg6cyn@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, January 12, 2003 7:18 PM

Subject: CQ FP Tomorrow Night 02:00 7.044

> Hi Gang,

>

> Got to work 3 piggies tonight so far, but have notice that my original
> message has not gotten back to me yet, so QRP-L must be slow tonight. I'll
> be on for a little bit more tonight and will get on tomorrow around 02:00
> UTC (maybe earlier) to hunt for some more of you...

>

> The three stations I was able to work tonight so far with the portable
hotel

> setup here in WI were:

>

> Mac AF4PS

> Lloyd K3ESE

> Juan KG4FSN

>

> Thanks guys! Sure is a nice break from working up here. All 3 of you had
> good signals here, but there is a bit of QSB tonight...not bad though...

>

> 72 es oo

>

> Trev KG6CYN

> <http://home.earthlink.net/~kg6cyn>

> <http://www.qsl.net/kg6cyn>

>

>

>

>

Date: Mon, 13 Jan 2003 22:01:51 -0500

From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [144643] Re: TT2 blunder

Message-ID: <5.1.1.6.1.20030113214532.00b25c80@postoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Art,

That's an excellent point. I assumed (there's that word again) the key was in series with the ground side of both stages, but I looked at the original article and you're right.

You can get away with using a keyer as long as its ground is isolated from the transmitter ground. Neither TT2 key terminal is at ground, so as long as there's no other connection between the keyer and the TT2 (such as a common power supply, or even using separate supplies with grounded line cords) you can probably do it. The safest way is what you suggest - a relay.

Dave

At 02:24 AM 1/14/2003 +0000, you wrote:

>All,

>

>I am working on the same problem here with an ORIGINAL TT2 !!! Since I don't
>know anything about the new TT2 my comments only apply to the ORIGINAL but
>may also apply to the new version as well.

>

>The original TT2 keyed the + 12 volt line. The key basically MAKES the the
>+12

>volt line to apply power to both stages of the xmtr. The key jack is
>insulated

>from ground to allow this operation. Most keyers take the input whether
>+ or - volts (GRID or DIRECT inputs) and connects these lines to ground.

>This is NOT what is needed to key the TT2. Grounding of the 12 volt line of
>the TT2 will most likley destroy the device doing the switching in the keyer.

>If the keyer uses a relay that takes the line to ground and it will short
>power

>supply to ground.

>

>A simple transistor switch or relay will cure this problem.

>

>I picked up a small reed relay from Radio Shack today to do this with.....let
>you know when it is installed.

>

>

>Art

>KB7WW

>

>

>David Hinerman wrote:

> >

> > >I thought grid

> > >block keying would be OK if it was keying a voltage - I guessed wrong. I

> > >guess that's why I always used a bug with my TT2. The older I get the
> more
> > >things I have to re-learn it seems. I guess if I ever want to use a keyer
> > >with my TT2 I will have to build up a relay switch on the keyer output.
> >
> > Nick,
> >
> > Grid-block keying presents a negative voltage to the key, which then shorts
> > it to ground to activate the transmitter. Simple key, switch, or relay
> > contacts don't give a hoot about polarity. Solid state devices, as in most
> > keyers today, usually do. (There are a few exceptions, but they're not used
> > in most keyers.)
> >
> > You could wire up a relay and a small battery or DC power supply as long as
> > the keyer's output can handle the relay coil current. Grid-block keying has
> > miniscule current flowing through the key contacts, so check your keyer's
> > current rating before hooking up the relay. If it's high enough, remember
> > that it wants to switch the negative side of the battery.
> >
> > Does your keyer have another output - maybe called "direct keying"? That's
> > used for keying a positive voltage, as is used by most solid-state radios.
> > If you have a direct output, you don't need the relay. It'll also most
> > likely handle more current than the grid-block output, too.
> >
> > Good luck getting the keyer working!
> >
> > Dave
> >
> > -----
> > Dave Hinerman
> > WD8CIV@worldnet.att.net

Dave Hinerman
WD8CIV@att.net

Date: Mon, 13 Jan 2003 22:33:43 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [144644] Altoids Special
Message-ID: <3E238517.FB68F829@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hadn't seen this before, but when checking in the local grocery I found a special package of Altoids Peppermints: two regular size tins with a free "tiny tin" shrink-wrapped on them. Three enclosures for the price of two!

73

Ken KG4FGC

Date: Mon, 13 Jan 2003 21:50:15 -0600
From: "Dave Redfearn" <n4elm@attbi.com>
To: "Low Power Amateur Radio Discussion \ (E-mail\)" <qrp-1@lehigh.edu>, "Ten-Tec Mail list \ (E-mail\)" <tentec@contesting.com>
Subject: [144645] FS: Ten-Tec Century 22 & accessories
Message-ID: <000201c2bb80\$0d9ff530\$016fa8c0@Pavillion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

Ten-Tec Century 22 HF Transceiver

Covers 80, 40, 30, 20, 15, & 10 Meters
Direct conversion receiver, analog dial,
Runs about 20 watts output CW.

Includes optional # 226 crystal calibrator,
matching Model # 979 Power supply, manual, and box.

Radio is in very good condition, everything works,
minor wear on the case, front panel is very clean

The dial cord has been re-strung and the PT0 re-greased recently.

Asking \$325.00 + shipping from 75070

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKattbi.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 13 Jan 2003 22:05:14 -0600
From: Randy <wrmoore47@comcast.net>
To: qrp-1@Lehigh.EDU
Subject: [144646] K8RA paddles
Message-ID: <000501c2bb82\$244e77a0\$f3b23e44@aeronca>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Anyone here tried the K8RA paddles? (<http://hometown.aol.com/k8ra/>)

73,
Randy, KS4L
Huntsville, AL

Date: Mon, 13 Jan 2003 21:22:02 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: <qrp-1@lehigh.edu>
Subject: [144647] FW: FYBO 2003
Message-ID: <000501c2bb84\$8072ce80\$ec4998d0@Bobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: quoted-printable

-----Original Message-----

From: Bob Hightower [mailto:nk7m@extremezone.com]=20
Sent: Monday, January 13, 2003 9:18 PM
To: 'W2AGN'
Subject: RE: FYBO 2003

There was a later note which changed the hours to reflect what we had in the past....it seemed that we had inadvertently cut it to 4 hours.

The times in QST and on the web page are correct.

Bob

-----Original Message-----

From: W2AGN [mailto:w2agn@w2agn.net]=20
Sent: Monday, January 13, 2003 1:13 PM
To: nk7m@extremezone.com; Low Power Amateur Radio Discussion
Subject: Re: FYBO 2003

On 3 Dec 2002 at 18:38, Bob Hightower wrote:

> Here are the rules for the 2003 FYBO (Freeze Your B___ Off) Contest:
>=20
>=20
> ----- CONTEST ANNOUNCEMENT -----
>=20
>=20
> FYBO Winter QRP Sprint, sponsored by the AZ ScQRPions
>=20
> Feb 22, 2003, 1800Z-2200Z

Sometimes "looking it up" CAN confuse things. Just got my February QST,=20
and in "Contest Corral" it shows the FYBO times as 1600-2400Z. No sweat,

I go check the web page, and sure enough, it says 1600-2400Z.

BUT, the above message was sent on Decemebr 3rd. So which is correct?=20

+---+---+---+---+ John L. Sielke
|W||2||A||G||N| http://www.w2agn.net [UPDATED]
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Tue, 14 Jan 2003 04:26:42 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: myetsko@insydesw.com, qrp-1@Lehigh.EDU
Subject: [144648] Re: As soon as the snow clears a bit... (antenna ...)
Message-ID: <F85PXCfBN4TZyabYTHr00000161@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Mike,

First Issue - putting the dipole up that high will make for better DX and
less efficient NVIS operation. If you can, I would suggest two dipoles -
one at 30' and the other at the 60'-70' level. best of both worlds. I have

a dipole up at 25' and also use a DX-88 vertical. The other nite I was working a friend in Iowa (I am in Michigan) I was 339 on the vertical and 589 on the dipole. I was then listening to a F station on the dipole and he was 229 (at best) and when I switched over to the vertical, he was a solid 559 easy. The higher you get the dipole, the lower the angle of radiation and the better the DX comes in!

Second Issue - The balun idea is good, especially if you have aluminum siding/windows. That tends to "unbalance" the line. I have the same problem here with the siding and windows. Right now I am just running RG-58 to the dipole, but when the WX gets better - I am not a skier :) - I will do the balun route myself.

Just my opinions, YMMV, etc. etc.

72 es oo

Dennis - WB0WAO

NJQRP #329 - FPQRP #-347 - SOC #499
GACW #622 - ARS #1363 - QRP Canada #248
FISTS # 9299
Charter Member - Michigan DX Association
:=)

The new MSN 8 is here: Try it free* for 2 months
<http://join.msn.com/?page=dept/dialup>

Date: Mon, 13 Jan 2003 23:39:39 -0600
From: "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [144649] FOX RE: N3BJ Prelim. Log
Message-ID: <000101c2bb8f\$5490ac00\$1108a8c0@sunroom>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf =
Of

Alan Fryer

Sent: Monday, January 13, 2003 6:19 PM

To: Low Power Amateur Radio Discussion

Subject: FOX: N3BJ Prelim. Log

<snip>

>Even the Cheeseheads seemed curdled by the condx. =20

<more snip>

Curdled in cheesemaking parlance is a good thing. We were more like a =
"dead

vat". Five of us Cheeseheads live in about a 25 radius near Lake =
Michigan in

SE WI. We heard nothing. Of either Fox.=20

73 de Glenn, WE9K

Date: Tue, 14 Jan 2003 00:19:32 -0500

From: Steven Weber <kd1jv@moose.ncia.net>

To: wa3ptg@comcast.net

Cc: qrp-l@lehigh.edu

Subject: [144650] Re: HB - 2N7000 Class E Amp

Message-ID: <3.0.6.32.20030114001932.007b4bc0@mailhost.ncia.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>I was looking at Steven Weber's Class E 40 meter rig just now. V-E-R-Y nice
>work, Steven. I'm wondering if it is possible to "square-off" the output of
>a standard-type analog VFO enough to use with a 2N7000 Class E final in an
>NN1G ('95 handbook) rig?

Thanks. It's very easy to square up a sine wave, just put a 100K resistor
from the input to output on one of the gates and feed the sine wave to it
through a cap to the gate input. You need about a 1 v p-p min signal to
drive the gate.

I found that putting a second 2N7000 across the first one (parallel)
increases the efficiency and increases the power out. Can't find my notes
at the moment, but was something like 1.8W, 70% eff at 9V and 3+watts

(almost 4 actually) with 75% eff at 12V. This was with using the 6 cent Fairchild 2N7000's. They don't even get warm to the touch!

I also tried a STmicro STD5N20 in a T0-252 SMT package with even better results, using basicly the same filter, but the coils need a little tweaking. Got something like 4.8 watts out with 80% eff at 12 volts. Over 5 W at 13.8 v.

At 59 cents each, thier a lot more expensive, hi. Since this part has a higher gate capacitance, (200p) had to parallel two gates to get good drive to it.

BTW, the circuit can be seen at <http://www.qsl.net/kd1jv/ClassE.HTM>

>

>What's the upper frequency limit for the 2N7000?

I've used them up to 50 MHz, but not class E. Probably work good up to 10M, but you might want to use a faster 74ACxx chip to drive it.

72,

Steve, KD1JV

"Melt Solder"

White Mountains of New Hampshire

<http://www.qsl.net/kd1jv/>

Date: Tue, 14 Jan 2003 01:19:39 -0500

From: "James McKinley" <flyable@starpower.net>

To: <fking@oregonvos.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [144651] Re: Mobile mount bracket for FT-817

Message-ID: <005601c2bb94\$ec199a50\$6f292c42@home09gcwu471b>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Frank,

Check the Mountain-Ops web site.

Jim WD40JY

----- Original Message -----

From: "Frank King" <fking@oregonvos.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Sent: Monday, January 13, 2003 9:38 PM

Subject: Mobile mount bracket for FT-817

> Does anyone know of a mobile mount bracket that has been developed for the
> FT-817?
>
> Tnx
> Frank King
> AA7XA
>
>

Date: Tue, 14 Jan 2003 00:12:54 -0700
From: "P. Ermisch" <ermisch@usa.net>
To: <fking@oregonvos.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [144652] Re: [Mobile mount bracket for FT-817]
Message-ID: <259HaNHm37216S06.1042528374@cmsweb06.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

See www.mountain-ops.com. Halfway down the page

"Frank King" <fking@oregonvos.net> wrote:
> Does anyone know of a mobile mount bracket that has been developed for =
the
> FT-817?
> =

> Tnx
> Frank King
> AA7XA
> =

> =

Date: Tue, 14 Jan 2003 11:23:00 +0100
From: Ingo Meyer DK3RED <dk3red@gmx.net>
To: qrp-l@Lehigh.EDU
Subject: [144653] Re: SA612 and AGC
Message-ID: <5.1.1.6.1.20030114110713.00a21830@pop.gmx.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Sverre,

>This is despite what the datasheet says: "Pins 1 and 2 can be used
>interchangeably, but they should not be DC biased externally" Dave Fifield,
>AD6A

I think I read the following information here on QRP-L. Please read the
archiv of theses mailinglist for more informations.

Dave Fifield, AD6A, uses a DC on both pins together, so the gain of the
NE/SA/602/612 will increase.

A DC on only one pin (pin 1 or 2) over 22 kohms to 6 volts will put the IC
in the un-symmetrical status. Use a capacitor to "switch off" any DC to the
rest of the circuit. The IC output will now only contains the frequence on
pin 6/7.

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de	http://www.t-online.de/~dk3red
DL-QRP-AG #824	http://www.dl-qrp-ag.de
QRP ARCI #11295	http://www.qrparci.org

Date: Tue, 14 Jan 2003 05:13:36 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu
Subject: [144654] Re: TT2 blunder [W1FB Keying Circuit]
Message-ID: <3.0.2.32.20030114051336.007f0290@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

I'd go with Nick and others who suggested a keying transistor. I lifted a
circuit from one of W1FBs QRP books and hooked it in. Works fine with my
electronic keyers. Added a VX0 circuits with a 22 uH choke and an 8 to 50
pF trimmer in series with the crystal too. (8 turns of #26 on an FT37-43
toroid makes a nice 22 uH choke)

Why not try one of the new RMK keyer chips from Jackson Harbor. Nice
exotic mod for the venerable TT2. Check out the mods Chuck, K7Q0, did
with a Rock-Mite chip for some ideas.

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Tue, 14 Jan 2003 06:36:55 -0600
From: k5gq@juno.com
To: qrp-l@Lehigh.EDU
Subject: [144655] Smart Circuit in NiMH bat of Laptop -- CW mobile
Message-ID: <20030114.063700.-4048083.24.k5gq@juno.com@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I am trying to use a computer for cw mobile.. TX QSO party and such.
The laptop has a semi-dead battery.(Will not hold a charge but will
operated the computer with the AC supply.)
The battery pack states 10.6v and the ac adaptor states 16.2vDC at 2.5A.

If I use a 12 to 120v ac converter there is too much RF noise. I have
though about building my own but wanted to know if anyone has ever
powered the computer directly with a smart circuit in the battery pack?

K5GQ/m
code warrior..

Houston TX

Date: Tue, 14 Jan 2003 07:58:24 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [144656] Searching TAPR archives
Message-ID: <3E240970.8934ACF1@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Is there a better way to search the TAPR archives? Maybe there's a way
to point a search engine at the files?

73,
--Alex KR1ST

Date: Tue, 14 Jan 2003 08:11:32 EST
From: n5ib@juno.com
To: k5qlf@yahoo.com, qrp-1@Lehigh.edu
Subject: [144657] Re: 5W Solar Panel
Message-ID: <20030114.070608.4623.3.n5ib@juno.com>

On Mon, 13 Jan 2003 15:38:38 -0800 (PST) Fred Bonavita <k5qlf@yahoo.com> writes:

>The latest flyer from Harbor Freight Tools lists a 5W solar
>panel for \$35 (reg. \$50). Lot No. 41144. Measures
>18x12.5x1. The usual disclaimers apply.
>Fred, K5QLF, San Antonio..

I've had one for a few months. It is sturdy and works OK, but 5 W is a bit optimistic. In full Louisiana sun I get perhaps 3.5 W when charging a 12 V battery (about 250 mA)

I just made up a regulator board with an LM317 and a pot to mount on the back of the panel. In full sun, set at 13 V, it will run a RockMite nicely, pure solar, no batteries needed. I can adjust the output voltage from just under 5 V to about 16 V

All in all, not a bad deal for the \$\$\$

72
Jim N5IB

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Tue, 14 Jan 2003 07:14:49 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-1@lehigh.edu, George Baker <w5yr@att.net>,
Lew Paceley <lew@paceley.com>,
Subject: [144658] NETXQRP Club Meeting, Saturday 18 December
Message-ID: <3.0.2.32.20030114071449.007eacc0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPers,

All who are interested are invited to attend.

Saturday, January 18, 2002 -- 1:00 to 3:00 pm (or so)

Los Hermanos
1500 W. Moore Ave (US80 West)
Terrell, TX 75160
972-524-5580

Directions:

Los Hermanos is on the West side of Terrell. It is on the North side of US80 (Moore Ave.) about a block East of the intersection of US80, SH205, and SH148. SH205 goes North from US80 toward Rockwall and SH148 goes South back across IH20. Los Hermanos is a small restaurant next to a Payless Shoe store.

If you have a favorite QRP something you'd like to bring along, please do. Each month we have a *Door Prize* drawing. Bring an item to share for the door prize table. A drawing is held at the end of the meeting to *redistribute* the wealth. Everyone attending gets a chance at one of the prizes. Good food, good conversation and good company. Come join the fun!

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
Rock-Mites on 80, 40, 30, 20 and 15 Meters
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Tue, 14 Jan 2003 08:37:17 -0500
From: Sam Smith <sam.smith@ece.gatech.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [144659] Re: SA612 and AGC
Message-ID: <3E24128D.4070606@ece.gatech.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Sverre Holm - LA3ZA wrote:

> I am putting together a monoband 20 m superhet rig mostly based on the
> IK3OIL design in
> http://digilander.libero.it/ik3oil/_private/rtx_eng.pdf. Naturally I am
> comparing it to other similar rigs. One thing I have noticed is that
> both the Norcal NC20 and the Elecraft K1 apply AGC control to the input
> of the SA612/602 so that the DC bias is decreased for strong signals.

> This is despite what the datasheet says: "Pins 1 and 2 can be used
> interchangeably, but they should not be DC biased externally"
>
> Any experience to share about what happens in this case?
>

I tried this once, not as an AGC but as a manual gain control. I just biased pin 2 with a DC voltage. I got a lot of noise as the pot moved, as you might suspect, but the gain did work. I need to look at how Elecraft does it to remove the noise - buffered with a transistor?

Sam N4MAP

Date: Tue, 14 Jan 2003 09:10:32 EST
From: N4SKS@cs.com
To: qrp-l@lehigh.edu
Subject: [144660] two questions
Message-ID: <143.7cc23a2.2b557458@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello QRPers;

I was digging thru a bunch of old QRP material and found a catalogue from Technitron America co. I shows several QRP kits . The company address is listed at Rose City , Mich. . They call the kits , "Shoup Kits " . I have been QRPing 25 + years and have never seen one of these anybody know anything about this company ? The book was printed in 1992.

Question 2 is ...I don't seem to be getting all the post from this list on either my AOL or Compu Serve accounts . I get some but my friend gets twice as many post from QRP-L as I do . Does AOL or Compu pass only certain e-mails . What can be done about it ?

Thank You Les K4NK

Date: Tue, 14 Jan 2003 09:20:12 -0500
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: myetsko@insydesw.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [144661] Re: As soon as the snow clears a bit... (antenna ...)

Message-ID: <0F16BE223C.3A008C3F-0N85256CAE.004E4EB2-85256CAE.004EC10F@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Mike,

There are a couple of portable style home brew vertical designs floating around that appear to work well. Check out:

<http://www.eham.net/articles/4145>
and
<http://www.njqrp.org/pac-12/index.html>

Steve
aa8af

"Mike Yetsko" <myetsko@insydesw.com>
Sent by: owner-qrp-1@Lehigh.EDU
01/13/2003 05:46 PM
Please respond to myetsko

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: Re: As soon as the snow clears a bit... (antenna ...)

OK, another question...

Is anyone using any verticals? I mean on a roof? I've been thinking maybe just throwing an old 102" whip on the end of a piece of mast and feeding with coax and standing it on the deck just to get back on the air with my antenna down.

Mike

Date: Tue, 14 Jan 2003 10:14:26 -0500
From: Jim Eshleman <jce0@Lehigh.EDU>
To: N4SKS@cs.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [144662] Re: two questions

Message-ID: <3E242952.9080604@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Les,

This is a longstanding problem with AOL. Don't know about Compuserve. I have in the past (numerous times) provided SMTP logs showing successful delivery of QRP-L postings to the AOL mail servers which the subscriber never receives. They've never done anything about it (that I know of) or provided any explanation of why this occurs.

There are several options I can think of: Get a new ISP. Get a free web-based email account (yahoo, hotmail, etc). Complain to AOL (good luck). Read the list via the web archive and POSTPONE your subscription. Change your subscription to DIGEST as I don't think I've heard of problems receiving the digest.

I feel your pain but I don't think the problem will ever be resolved.

73
Jim N3VXI

> Question 2 is ...I don't seem to be getting all the post from this list on
> either my AOL or Compu Serve accounts . I get some but my friend gets twice
> as many post from QRP-L as I do . Does AOL or Compu pass only certain e-mails
> . What can be done about it ?

Date: Tue, 14 Jan 2003 09:54:41 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [144663] Re: Searching TAPR archives
Message-ID: <3E2424B1.14E7F939@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Oops....wrong mailing list. Sorry 'bout that. But if you do have a tip, I appreciate it nonetheless. :)

73,
--Alex KR1ST

Alex wrote:

>
> Is there a better way to search the TAPR archives? Maybe there's a way
> to point a search engine at the files?
>
> 73,
> --Alex KR1ST

Date: Tue, 14 Jan 2003 09:02:50 -0600
From: "Walter AG5P" <walter@accessus.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [144664] Re: TT2 blunder
Message-ID: <000d01c2bbde\$02d766c0\$03466ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,
The NOGA QRPA parts kit for a solid state "voltage" keyer for rigs such as the TT2
and FireBall40
is available from NoGa. The kit is called the "Guppette". It is \$2.00 if ordered
at the same time
as the Guppy or other NoGa product and \$3 pp if ordered by itself.

Take a look at
<http://www.qsl.net/nogaqrp/>
go to Club Projects
then to Guppy
for more information.

I bought one of these and it works. Guess the best part
is no relays to worry about chatter and contact cleaning.

72 / 73...Walter, AG5P

Date: Tue, 14 Jan 2003 10:42:47 -0500
From: "Garey Barrell" <k4oah@mindspring.com>
To: <jce0@lehigh.edu>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [144665] Re: two questions

Message-ID: <009901c2bbe3\$96d66b00\$6501a8c0@hp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Often this is a result of ads tacked on the bottom of messages by
"free" mail services.

SPAM filters are getting more and more aggressive. Phrases such as
"free money" or "sign up" or other seemingly innocuous phrases will
get your message dumped. Sometimes such phrases appear inside
messages, and when "taken out of context" trigger SPAM filters as
well.

73, Garey - K40AH
Atlanta

----- Original Message -----

From: "Jim Eshleman" <jce0@Lehigh.EDU>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, January 14, 2003 10:14 AM
Subject: Re: two questions

> Les,
>
> This is a longstanding problem with AOL. Don't know about
> Compuserve. I have in the past (numerous times) provided SMTP logs
> showing successful delivery of QRP-L postings to the AOL mail
servers
> which the subscriber never receives. They've never done anything
about
> it (that I know of) or provided any explanation of why this occurs.
>
> There are several options I can think of: Get a new ISP. Get a
free
> web-based email account (yahoo, hotmail, etc). Complain to AOL
(good
> luck). Read the list via the web archive and POSTPONE your
> subscription. Change your subscription to DIGEST as I don't think
I've
> heard of problems receiving the digest.
>
> I feel your pain but I don't think the problem will ever be
resolved.
>
> 73

> Jim N3VXI
>
> > Question 2 is ...I don't seem to be getting all the post from
this list on
> > either my AOL or Compu Serve accounts . I get some but my friend
gets twice
> > as many post from QRP-L as I do . Does AOL or Compu pass only
certain e-mails
> > . What can be done about it ?
>
>

Date: Tue, 14 Jan 2003 09:44:25 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: qrp-l@lehigh.edu, George Baker <w5yr@att.net>,
Lew Paceley <lew@paceley.com>,
Subject: [144666] Oooops! NETXQRP Club Meeting, Saturday 18 January
Message-ID: <3.0.2.32.20030114094425.007e53b0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Oooops! Changed one line -- missed the other. Senior something or other!

QRPers,

All who are interested are invited to attend.

Saturday, January 18, 2002 -- 1:00 to 3:00 pm (or so)

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
Rock-Mites on 80, 40, 30, 20 and 15 Meters
QRP-ARCI #5422, QRP-L #1306, QRPP-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Tue, 14 Jan 2003 08:45:43 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Cc: "al dawkins" <alk0frp@attbi.com>
Subject: [144667] Fw: WARC band [contesting] info
Message-ID: <004401c2bbe4\$00202740\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Folks,

I spoke with Al, K0FRP about this WARC band contest issue. Al is a big
contester/QRPper in the area. He in-turn contacted Walt W0CP, ARRL Rocky
Mountain Director. Below is Al's email to me with Walt's explanation.

Thanks for the help/info Al.

73, Rod N0RC
Elecraft CC: 0 of 100, started 05-Jan-2003

----- Original Message -----

From: "al dawkins" <alk0frp@attbi.com>
To: <rod@n0rc.us>
Sent: Monday, January 13, 2003 10:01 PM
Subject: WARC band info

Just got off the phone with Walt W0CP ARRL Rocky Mountain Director

The IARU has an agreement that NO contests large or small will be
recomended on the WARC. That is a "recomendation" that No competition
will take place on the WARC bands. The IARU is 113 National
organizations that have made this RECOMENDATON. Not a gentlemens
agreement or rule but a joint Recomendation. It took much dicussioin to
agree that DXCC would be awarded using any WARC band but ONE station in
a pileup does not constitute a CONTEST or competition. The Thusrday nite
FOX was once considered as a medium but ruled out by this ageeement and
or recomendation. Keep the recomendation as a valid rule that WE as
concerned Amateur Radio Operators should be aware of and comply with the
agreed recomendations as set forth by the IARU.

Al K0FRP

Date: Tue, 14 Jan 2003 09:49:16 -0600
From: "Mark Andrews" <KE4IOF@KE4IOF.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [144668] BatteryStuff.com
Message-ID: <009801c2bbe4\$7f675050\$b16e640a@vitalworks.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I have found a great site for battery related information and products:
www.BatteryStuff.com

Mark, KE4IOF

Mark A. Andrews

Date: Tue, 14 Jan 2003 09:54:53 -0600
From: "Joe Martin" <km5cw@arrl.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [144669] Re: Neat Link! Two thumbs UP
Message-ID: <004d01c2bbe5\$48009da0\$d143adcf@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the great link. There's tons of information for free, all you have to do is invest your time. The first info I coasted to was about RF Directional Couplers by Michael G. Ellis, Ph.D. and includes some free software to boot.

73 de KM5CW Joe
FISTS #4217 QRP/ARCI #11368 NETXQRP#42
GRID-EM13kf
(<http://web.wt.net/~km5cw>)

- _.- _.-.. _.-.

----- Original Message -----

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, January 13, 2003 8:24 PM
Subject: Neat Link!

> <http://members.tripod.com/michaelgellis/hardware.html>
>
> 73,
> Ed Hare, W1RFI
> ARRL Lab
> 225 Main St

> Newington, CT 06111
> Tel: 860-594-0318
> Internet: w1rfi@arrl.org
> Web: <http://www.arrl.org/tis>
>
>
>
> > -----Original Message-----
> > From: W2AGN [mailto:w2agn@w2agn.net]
> > Sent: Monday, January 13, 2003 10:47 AM
> > To: Low Power Amateur Radio Discussion
> > Subject: 80M Hot!
> >
> >
> > Daring to return to Ham Radio and QRP...
> >
> > The past three nights 80M has sounded like 20M. Signals from Africa,
> > Europe and the Middle East coming in an honest S-9. Easy
> > pickin's with
> > QRP. The band has opened right around sunset, but I have
> > done most of my
> > operating around 0300-0400Z from the Upstairs Shack. Been very little
> > QRN, also, and not much in the way of pileups. 4x4WN was
> > begging for QSOs
> > last night.
> >
> > Check it out. Good time to add to that 5 Band QRP DXCC.
> > ---
> > +---+---+---+---+ John L. Sielke
> > |W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
> > +---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS
> >

Date: Tue, 14 Jan 2003 10:20:54 -0600
From: "Joe Martin" <km5cw@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [144670] Re: K8RA paddles
Message-ID: <005701c2bbe8\$ea7d9260\$d143adcf@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Awesome paddles, a definate bookmark and must have. I can't believe the price on this paddle.

The link needed to be refined a tad, here it is if you have trouble with the first link posted.

<http://hometown.aol.com/k8ra/Pindex.html>

Thanks Randy

73 de KM5CW Joe

FISTS #4217 QRPARCI #11368 NETXQRP#42

GRID-EM13kf

(<http://web.wt.net/~km5cw>)

- _.- .-.. ..-

----- Original Message -----

From: "Randy" <wrmooore47@comcast.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, January 13, 2003 10:05 PM

Subject: K8RA paddles

> Anyone here tried the K8RA paddles? (<http://hometown.aol.com/k8ra/>)

>

> 73,

> Randy, KS4L

> Huntsville, AL

>

Date: Tue, 14 Jan 2003 11:44:14 -0500

From: "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>

To: John <jczuba@bluefrog.biz>, QRP Fanatics <qrp-l@lehigh.edu>, "RVHFG_general@yahooogroups.com" <RVHFG_general@yahooogroups.com>,

Subject: [144671] FT-817 Owners: VHF Sweepstakes is THIS WEEKEND!

Message-ID: <67082359.1042544654@OES-MADAMS>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

Content-Disposition: inline

Hi All,

<<obligatory TenTec content; this applies equally to 526 owners!>>

Here is a message I sent in reply to a query about the FT-817. Since the VHF Sweepstakes is THIS WEEKEND, I urge you to try out that super little radio on 6, 2 and 432 SIDEBAND and CW.

.....

Portability? Well, the 817 rocks. A 7A-hr gel cell and 5w flexible solar

panel provide nearly endless power.

VHF+? My 817 has helped put me in the ARRL VHF qrp national top ten box twice. It's size and versatility are FB. Lots of microwave guys are using it as a transverter for the uW bands and that is what I'll be doing with mine after I buy a TS-2000X for my VHF contest station. Until then, the 817 will do the job along with WA5VJB homebrew beams for 2/222/432.

<http://www.clarc.org/Articles/uhf.htm>

VHF++? Oh, did I mention that W1GHZ has a cool 222 transverter kit (offered thru www.downeastmicrowave.com) that is designed just for the 817? (can be used with any rig though). It uses 12M as an IF and runs 6W out. Mine is about 75% complete. (As of 1/14/03 it is 99+% done.)

VHF QRP Mountaintopping? Imagine this--an 817 (\$550) with the W1GHZ xverter (\$150) , 4 HB beams for 6-432 (\$20), 15' of EMT mast (\$3), your gel cell, key and some coax, all on the top of your nearest high point. What will this get you? Well, your name in QST for sure when you enter the QRP category in an ARRL VHF contest. The VHF Sweepstakes is coming up in January BTW. Check out my last effort with 817 at:

http://www.arrl.org/contests/soapbox/index.html?con_id=11&call=k2qo

The RX? OK, I admit, the RX, for the most part, is NOT up to the level of the mid priced rigs. But does it really practically matter? If your goal is WINNING major contests, yeah. I used the 817 for FD this past year. I did 376 Q's. I figure my Omni might have provided me with another 10-20 due to its filtering and BDR capabilities. There were stations I passed up because big adjacent signals were blocking some little pistols.

Bottom Line? You simply cannot have more fun playing radio unless you do it naked. Isn't FYBO coming up?

THE REAL BOTTOM LINE? If you have an FT-817, you are already equipped for VHF SS. Just add a cheap WA5VJB yagi. I have built 5 of them out of scraps of pine and pieces of welding rod and they are FB!

<http://www.fredspinner.com/W0FMS/CheapYagi/>

-or-

<http://www.fredspinner.com/W0FMS/CheapYagi/vjbcy.html>

Lastly, there is a lot of FM activity in the January contest, so if you are an FM only person, don't worry, make Q's.

72,
Mark K2Q0/R

Look for the K2Q0 Rover in ARRL VHF Sweeps, Jan 18+19, 2003
6, 2, 222, 432, 10GHz and Light

Date: Tue, 14 Jan 2003 12:09:00 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <k5gq@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [144672] Re: Smart Circuit in NiMH bat of Laptop -- CW mobile
Message-ID: <006901c2bbebf\$a82b8f00\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I am trying to use a computer for cw mobile.. TX QSO party and such.
> The laptop has a semi-dead battery.(Will not hold a charge but will
> operated the computer with the AC supply.)
> The battery pack states 10.6v and the ac adaptor states 16.2vDC at 2.5A.
>
> If I use a 12 to 120v ac converter there is too much RF noise. I have
> though about building my own but wanted to know if anyone has ever
> powered the computer directly with a smart circuit in the battery pack?
>
> K5GQ/m

Well, the 'smarts' in the batteries are used for charging. And for
general
'management' as well. But the degree to which is it used depends on the
vendor of your platform. And how they implemented things with interfaces
to windows.

Now, without telling you to do something that might toast something...

If it were me, I would just leave the battery out and tie my 'field
battery'
to the jack for the AC adapter. Yes, it would be below the nominal
voltage, but most units will work fine. A bit more heat, however, in a
lot of cases, but also remember no heat from the charging circuits. Will
it even out? Who knows, depends on the unit.

Now, if you make up an 'insert' to plug in in place of the battery pack
but
with no 'smart chip', I would suspect that a lot of laptops would just
ignore
that and use the battery anyway, but they would most likely NOT attempt
to charge the battery if it were also plugged in through the AC adapter

input.

Could you just use a 'generic' battery and hook it to your battery insert? Probably. From 10.6 to 12v is not that much, and PROBABLY wouldn't hurt things. Going to 13v or a bit more, well..... Depends on the unit.

Bottom line is that if I were making up something, I would feed the laptop through what would be the AC adapter jack and accept the slight inefficiency there with possibly a lower voltage. (And that's assuming that the adapter you have really puts out what it says, and the circuit is optimized at that voltage!)

If I were to 'plug in' through the 'battery pack' with a dummy insert, I would probably try to match the battery pack as close as possible, unless I knew more about the innards of the laptop. And I wouldn't expect it to try to charge.

Mike

Date: Tue, 14 Jan 2003 12:09:38 -0500
From: "Bill Acito W1PA" <w1pa@hotmail.com>
To: <qrp-1@Lehigh.EDU>
Subject: [144673] Re: Attic Wire Antenna Suggestions
Message-ID: <BAY1-DAV38bCAybeVbH00012b78@hotmail.com>

Thank you to all who responded. Suggestions broke down into "camps" (no particular order):

- 1) Loop or V beams following the angle of the roof trusses.
- 2) Windom (although there were concerns about my ability to keep the match with the interaction with the structure)
- 3) W9INN wire antenna
- 4) Multiple (fan) dipoles
- 5) Balanced fed dipole

I am intrigued by the "pure" Windom (ala K4ABT or I7SWX), Carolina Windom, or Carolina Windom configured into a bob tail curtain (3 vertical radiators). Is anyone successfully (i.e. match, SWR as expected) running a Windom or variant in their attic?

Bill

W1PA

I wrote: Here's your criteria:

Attic with a 78' foot span, 10' from peak to joist at center (big

ranch). Attic peak runs E-W (wish it ran N-S --hi).

Looking for a coax fed, HF multiband wire antenna suggestion to mount in the attic... something relatively efficient for QRP, but with either E-W propagation (I live in New England), or a relatively omni pattern.

Been thinking Carolina Windom 40, W9INN... others?

Bill
W1PA

Date: Tue, 14 Jan 2003 09:23:50 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [144674] Need email address for AD5X
Message-ID: <01a301c2bbf1\$b802d120\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I need to contact Phil Salas, AD5X. Does anyone have his current email address??? Thanks in advance. Doug, KI6DS

Date: Wed, 15 Jan 2003 11:27:42 -0600
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: <n5ib@juno.com>
Cc: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [144675] Re: SMK-1 question
Message-ID: <003401c2bcbb\$69831620\$f374da0c@mchsi.com>

Jim: Well, I finally got back to the SMK-1. I've looked all over this thing for solder bridges and cold joints and I'm just not coming up with anything. So, I decided to follow your advise and check T-1 for a short.

I pulled it from the board and it checked OK. While I was at it, I took a look at VR-1 and pulled it from the board. (I kept seeing 9.4K resistance from places like D1 / D2 and L 1 back to ground and I couldn't decide if I was seeing a short or if it was VR-1) (didn't seem right since turning

VR-1 should have changed that reading and it wasn't doing it) So, having pulled VR-1, I went back to check my findings and now I have about 114K.

I put VR-1 back in the circuit and having confirmed that T-1 was OK, put it back in the circuit and guess what?

I now have about 375 Mw's out on my WM-2 and I have a ton of audio. Had to be a bad solder joint on T-1! Guess I didn't get one of the lead stripped back far enough to make contact.

Still not happy with the pots supplied for VR-1, 2, and 3. VR-1 has all the audio level in the last 10% of rotation. VR-2 seems to assist the audio level with it being the loudest in the first 20% of rotation and actually dropping to no audio at all in the last 10%. Who knows what VR-3 is going to do. I'm not ready to test that part at length yet but I expect results will be similar to the other 2.

Looks like I'll be in the market for some good 10K linear pots.

Anyway Jim and the rest of you that offered help with my SMK-1, just wanted to give you an update and say thanks for all the help and suggestions.

73 and have a safe week: Jerry NOJRN

Date: Tue, 14 Jan 2003 09:53:28 -0800
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: "Dave W6AQ Bell" <DBellW6AQ@aol.com>
Subject: [144676] deadline reminder
Message-ID: <001901c2bbf5\$dbf8ea20\$b93ecd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you participated in the CQ Magazine Worldwide CW Contest, the deadline for entries is January 15th -- tomorrow. Logs are required in Cabrillo format.

Logs can be e-mailed as an attachment to: cw@cqwww.com

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Tue, 14 Jan 2003 13:04:30 -0500
From: Gary Halpern <gary.halpern@sympatico.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [144677] Re: two questions
Message-ID: <3E24512E.D5E110D4@sympatico.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The only ad I saw and am currently looking at is from 73 Magazine for July/92.
The units were separate transmitters and receivers.

SHOUP-KIT RX8040 receiver \$159.95 available May/92
SHOUP-KIT TX8040 transmitter \$159.95 available June/92

Gary
VA3GH

N4SKS@cs.com wrote:

> Hello QRPers;
> I was digging thru a bunch of old QRP material and found a catalogue
> from
> Technitron America co. I shows several QRP kits . The company address is
> listed at Rose City , Mich. . They call the kits , "Shoup Kits " . I have
> been QRPing 25 + years and have never seen one of these anybody know anything
> about this company ? The book was printed in 1992.
>
> Question 2 is ...I don't seem to be getting all the post from this list on
> either my AOL or Compu Serve accounts . I get some but my friend gets twice
> as many post from QRP-L as I do . Does AOL or Compu pass only certain e-mails
> . What can be done about it ?
>
> Thank You Les K4NK

Date: Tue, 14 Jan 2003 13:19:52 -0500
From: Ed Lawson <k1vp@grizzly.com>
To: km5cw@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [144678] Re: K8RA paddles
Message-ID: <3E2454C8.9080502@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Joe Martin wrote:

>Awesome paddles, a definat bookmark and must have. I can't believe the
>price on this paddle.

>
>
>

My XYL gave me these for Christmas. Still adjusting to different feel from Bencher BY-1 paddles, but they are very nice indeed. Adjustments very precise and stay where you put it. Very positive and rigid feel to them while resistance to movement is minimal. They look as good in real life as they do in pictures. BTW, the cover with the call sign engraved is first class too. Definite option to have.

Ed Lawson
K1VP

Date: Tue, 14 Jan 2003 10:27:13 -0800
From: Wayne Burdick <n6kr@elecraft.com>
To: Elecraft <elecraft@mailman.qth.net>
Cc: HF Pack <hfpack@yahoogroups.com>, qrp <qrp-l@lehigh.edu>
Subject: [144679] Comparison of various rigs' minimum supply voltage, RX current
Message-ID: <3E24567B.771314E0@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We just added a new table to our transceiver performance comparison page,

http://www.elecraft.com/K2_perf.htm

The new table, third from the top, shows two parameters that pertain to operation from batteries: (1) the minimum receive current drain, and (2) the minimum required DC supply voltage.

Fewer than half of the transceivers listed are actually in the mobile/portable class. But for completeness, we included all of the rigs covered in the first two tables.

73,
Wayne, N6KR
Eric, WA6HHQ

<http://www.elecrafter.com>

Date: Tue, 14 Jan 2003 18:24:41 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: <sam.smith@ece.gatech.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [144680] Re: SA612 and AGC
Message-ID: <DAV47cfZXE9CYPHTHBub0000ae28@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Sam Smith" <sam.smith@ece.gatech.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, January 14, 2003 1:37 PM
Subject: Re: SA612 and AGC

> I tried this once, not as an AGC but as a manual gain control. I just
> biased pin 2 with a DC voltage. I got a lot of noise as the pot moved,
> as you might suspect, but the gain did work. I need to look at how
> Elecraft does it to remove the noise - buffered with a transistor?

I remember seeing the 602/612 used as an RF amplifier, in one design. Can't remember how it was connected, though.

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Tue, 14 Jan 2003 14:23:35 -0500
From: "brian" <brian@iquest.net>
To: "Flying Pigs" <fpqrp-1@fpqrp.com>, "QRP-L" <qrp-1@lehigh.edu>
Subject: [144681] New ARRL Book
Message-ID: <000701c2bc02\$6fc54170\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just ordered this from Bill Kelsay...looks like a VERY NICE book to have near the bench.

<http://www.arrl.org/news/stories/2003/01/14/1/?nc=1>

If we get 100 folks to buy via Bill we get 5% off.

72

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Tue, 14 Jan 2003 14:30:39 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [144682] Re: SA612 and AGC
Message-ID: <045101c2bc06\$9693f5e0\$c3f35b0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Take a look at the diagram Sam for the SST or the Iowa QRP 10 (QRPP Fall 2000) or the Epiphyte 3 (QRPP Winter 2000). These all show how it has been done effectively.

Mike Branca W3IRZ in Conyers Georgia

Date: Tue, 14 Jan 2003 15:05:02 -0500
From: Majority Mike Capt USCENTAF/A5 <mike.majority@SHAW.AF.MIL>
To: QRP-L Posts <qrp-l@Lehigh.EDU>
Subject: [144683] 10m Nice and Active
Message-ID: <6547FC33FE5ED411A99900D0B784809A0578A7CA@ssc-mssgxchn3.shaw.af.mil>
MIME-Version: 1.0
Content-Type: text/plain;
charset="ISO-8859-1"

Just got LY2ZZ on the way to lunch while QRP mobile (3 Hrs ago). Using IC-706MKII on lowest power setting on USB (approx. 28.3-28.4 MHz). Using Radio Shack Mag-Mount CB antenna cut down to 10m. Heard his CQ, called, and he answered with my (full) call. Short chat, he was trying to catch more stations. QRZ.com shows him as Lithuania. Does QRP SSB work? Yep.

72,
Mike, N4VBV in South Carolina

Date: Tue, 14 Jan 2003 15:05:08 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Flying Pigs" <fpqrp-l@fpqrp.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [144684] RE: [fpqrp] New ARRL Book
Message-ID: <721D3436A7C2B344A301FD4A413C71A9BFBF7B@kosh.ARRLHQ.ORG>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

And you help keep Bill in business! Although ARRL appreciates direct = orders, it is also important that we all support our dealers if we want = them to be around. I buy stuff at my local hardware store that I could = get cheaper at Home Depot because I want the store to be there next week = when I want something fast.

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318

Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: brian [mailto:brian@iquest.net]

> Sent: Tuesday, January 14, 2003 2:24 PM

> To: Flying Pigs; QRP-L

> Subject: [fpqrp] New ARRL Book

>=20

>=20

> I just ordered this from Bill Kelsay...looks like a VERY NICE=20

> book to have

> near the bench.

>=20

> <http://www.arrl.org/news/stories/2003/01/14/1/?nc=3D1>

>=20

> If we get 100 folks to buy via Bill we get 5% off.

>=20

> 72

>=20

> =

=3D=

=3D=

> KB9BVN/QRP - New Whiteland IN - EM69WN

> QRP-ARCI #10223 QRP-L #1540 FIST #5695

> FISTS CC #764 - Proud Member ARRL

> HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W

> INTO INFAMOUS AF4PS ATTIC DIPOLE

> SOC #400 AND FLYING PIGS QRP #-57

> =

=3D=

=3D=

>=20

> -To unsubscribe, mail to majordomo@fpqrp.com, msg:=20

> unsubscribe fpqrp-l -

>=20

Date: Tue, 14 Jan 2003 15:10:41 -0500

From: "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>

To: <kd1jv@moose.ncia.net>

Cc: "qrp-l" <qrp-l@lehigh.edu>

Subject: [144685] Re: HB - 2N7000 Class E Amp

Message-ID: <001c01c2bc09\$036d0880\$07ea7182@mcmaster.ca>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Steve,

Am curious about your efficiency numbers.

Lots of Class-E folks consider the "collector" or "drain" efficiency only - that's the DC power delivered to the final output stage only. You often see numbers around 90%.

But overall efficiency is much lower, since the driver stage is working hard. Class E is efficient because final stage gain is low - it is an overdriven amp.

So is your 70% - 75% efficiency an overall rig efficiency? That's very good if so! Or is it final stage efficiency?

When the final amp is running above 90%, its very hard to make accurate efficiency measurements. The DC voltage and current are easy, accurate RF measurements are not. Am thinking that it'd be more accurate to stick a little thermistor onto the case of the final amp. Put a brick on the key (and a dummy load on the rig) and measure thermistor resistance once it settles. Measure DC voltage and current too.

Then set up a variable DC bias to the final amp. Adjust till the thermistor reads the same resistance (same amount of heat), and re-measure DC voltage and current. Compare this with the previous measurement to find efficiency.

Sorta like the finger test, but all calibrated.

It is amazing to find the final amp at room temperature, with only a suggestion of extra heat.

----- Original Message -----

From: "Steven Weber" <kd1jv@moose.ncia.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Tuesday, January 14, 2003 12:19 AM

Subject: Re: HB - 2N7000 Class E Amp

> I found that putting a second 2N7000 across the first one (parallel)
> increases the efficiency and increases the power out. Can't find my notes
> at the moment, but was something like 1.8W, 70% eff at 9V and 3+watts
> (almost 4 actually) with 75% eff at 12V. This was with using the 6 cent
> Fairchild 2N7000's. They don't even get warm to the touch!

Date: Tue, 14 Jan 2003 15:48:31 -0500
From: "Joe W2KJ" <w2kj@bellsouth.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [144686] F.S. Parkland iambic paddle
Message-ID: <000701c2bc0e\$4c538060\$220110ac@gateway.2wire.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang:

Too many paddles around here so gotta thin out. I thought I would put my paddle up for sale on the QRP-L before going anywhere else.

This Parkland iambic paddle was custom made for me. The unit is all brass and looks/operates like new. It has cocobolo fingerpieces and is a beautiful work of art.

I have digital pictures for serious buyers.

Will ship/insure for \$165 to CONUS.

73, Joe W2KJ
North Carolina

Date: Tue, 14 Jan 2003 16:18:02 EST
From: JClinton46@aol.com
To: qrp-l@lehigh.edu, N4SKS@cs.com
Subject: [144687] two questions
Message-ID: <36.36915428.2b55d88a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Les,

I went through the experience of AOL not passing QRP-L mail. First I missed about 25-35 percent of the posts. I switched to the digest mode and was 100% for about 6 months then that became erratic and finally stopped. I had started using the web archives about that time and thought I had postponed the digest because I didn't get any for about 6 months. Then it suddenly started back up about a month ago.

I went round and round with AOL early on until I was quite dizzy. Good luck on getting any real action. I just did what any ham would do, if A and B don't work, try C, etc.

73, Clint
KE4FDT

Date: Tue, 14 Jan 2003 16:41:16 -0500
From: "Tom Pennebaker" <n4rs@netpath-rc.net>
To: <k5gq@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [144688] Re: Smart Circuit in NiMH bat of Laptop -- CW mobile
Message-ID: <00b301c2bc15\$ab7371c0\$28c36bd1@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

K5GQ/m
code warrior..
You didn't give a manufacture. I use a HP and they have an adapter that runs off the cig lighter. Works great. Tried an inverter first and you are right, way too much noise...Tom N4RS/M

End of QRP-L Digest 2800

